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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,464	10/25/2006	Toshikazu Oga	2006_1389A	2687
	7590 10/21/200 , LIND & PONACK, I		EXAMINER	
2033 K STREET N. W.			MANOHARAN, VIRGINIA	
	SUITE 800 WASHINGTON, DC 20006-1021		ART UNIT	PAPER NUMBER
			1797	
			MAIL DATE	DELIVERY MODE
			10/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/593,464	OGA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Virginia Manoharan	1797				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	J. nely filed the mailing date of this co D (35 U.S.C. § 133).	,			
Status						
1)⊠ Responsive to communication(s) filed on <u>27 Ju</u>	ne 2008.					
· <u> </u>						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the						
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>7-18</u> is/are pending in the application.						
· · · · · · · · · · · · · · · · · · ·	yn from consideration					
5) Claim(s) is/are allowed.	4a) Of the above claim(s) is/are withdrawn from consideration.					
6)⊠ Claim(s) <u>7-18</u> is/are rejected.	· · · · · · · · · · · · · · · · · · ·					
7) Claim(s) is/are objected to.						
· · · · · · · · · · · · · · · · · · ·	· <u> </u>					
	·					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the			-D 4 404/4)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
,—	ammer. Note the attached Office	Action of form P i	0-152.			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of the certified copies of the prior 	s have been received. s have been received in Application ity documents have been received i (PCT Rule 17.2(a)).	on No ed in this National	Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

DETAILED ACTION

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 7-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Decker et al (6,955,744) with or without GB (1,083,910).

The Above references are applied for the same combined reasons as set forth at page 3 of the previous Office Action.

Applicants' arguments filed June 27, 2008 have been fully considered but they are not persuasive.

While Decker et al neither teach nor suggest that a lower alcohol (C1-6 alcohols) is equivalent to, or may be substituted with oligomeric polyethers having one or two terminal hydroxyl, as argued, however, an artisan knows that lower alcohol such as methanol and oligomeric polyethers such as e.g., polyethylene glycol and polypropylene glycol, i.e., the polyhydroxy alcohol or ether derivative thereof, are homologues and belonging to same family of generic alcohol, and are therefore capable of performing similar function(s) of affecting the relative volatility of mixtures being separated or purified by distillation. [No chemical reaction is

being claimed in the purification of 2-chloro-5-chloromethylthiazole (CCMT), only the physical unit of operation, distillation]. It is also well-documented that "when two compounds show deviations from Raoult's Law, then one of these compounds shows the same type of deviation with any member of the homologous series of the other component". Furthermore, and contrary to applicants assertion, page 2, lines 70-76 of the Nicholas et al reference would at least be suggestive that a lower alcohol (Cl-6 alcohols) is equivalent to with the oligomeric polyethers, at least in function.

Absolute predictability is not a prerequisite for obviousness rejection All that is required to show obviousness is that the applicant make his claimed invention merely by applying, knowledge clearly present in the prior art. Section 103 requires us to presume full knowledge by the inventor of the prior art in the filed of his endeavor. See In re Winslow, 53 CCPA 1574, 1578, 365 F.2d 1017, 1020, 151 USPQ 48, 50-51 (1966). No commercial success is claimed, nor is any other factor indicating No commercial success is claimed, nor is any other factor indicating non-obviousness is seen to exists.

Replacing "comprises" with --- consists of – or --consists essentially of--- would preclude the prior art oligomeric polyethers and place the case in condition for allowance.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Coulson et al publication at page 478 was quoted above.

THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 571-272-1450.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on 571-272-1444.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Virginia Manoharan/ Primary Examiner, Art Unit 1797 Application/Control Number: 10/593,464

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